

ExpertBook B3 | B3605CCA

AI PC, configured for you

Designed to elevate productivity, the ASUS ExpertBook B3 is a flexible AI PC built for today's professionals. Featuring up to Intel® Core™ Ultra processors and dual SO-DIMM slots for up to 64GB DDR5 memory, it's ready for demanding workloads. Stay connected anywhere with optional 5G, and work confidently with advanced security, including Intel vPro®, TPM, and biometric login via fingerprint sensor* and IR camera*. Its quiet thermal design ensures seamless performance, while the sleek ExpertBook design keeps it professional and portable. Perfectly tailored for smarter workflows—wherever you are.



Intel® Core™
Ultra processor
(Series 2)



Ultralight



16:10
aspect ratio



Dual
SO-DIMM



All-day
battery life



Sustainable
design

AI productivity, unlocked performance

- Up to Intel® Core™ Ultra 7 processor (Series 2) with AI architecture*
- AI ExpertMeet and AI audio/video tools
- Starting weight 1.78kg
- Up to 64GB DD5 (Dual SO-DIMM)
- Up to 1TB PCIe® 4.0 SSD
- Up to WQXGA high refresh rate (144Hz), 16:10 display
- Full I/O ports including 2 x Thunderbolt™ 4 USB-C*
- Up to XX hours all-day battery life¹

Commercial-grade security and manageability

- Intel vPro® platform
- Microsoft secured-core technologies
- Biometric login with fingerprint sensor, Full HD IR camera*
- Smart card reader*
- ASUS management solutions (ASUS Control Center*, Image Maker*)

Business-level durability and service

- MIL-STD-810H 24 procedures tested
- Up to 5-year international warranty available³
- ASUS business support services

Sustainable for an incredible future

- World's leading digital product passport
- Compliant with EPEAT Gold Climate+, Energy Star 8.0, TCO 10.0, FSC Recycled

*OPTIONAL FEATURE, MAY VARY BY MODEL, SPECIFICATION, OR REGION.

¹ACTUAL BATTERY PERFORMANCE MAY VARY DEPENDING ON PRODUCT CONFIGURATION, USAGE, OPERATIONAL CONDITIONS AND POWER MANAGEMENT SETTINGS. BATTERY LIFE WILL DECREASE OVER THE LIFETIME OF THE BATTERY.

²CERTIFICATIONS ARE STILL UNDER PROGRESS AT TIME OF PUBLISHING THIS DOCUMENT. PLEASE CHECK WITH YOUR ASUS REPRESENTATIVE PRIOR TO SHARING ANY INFORMATION PUBLICLY.

Warranty and Support



Up to 5-year international warranty available*
Warranty policies vary by country.



Pick up & return service*
Enjoy door-to-door service including pick up, repair, and return.



MyASUS
Contact customer service, view repair status, read product guides and more.

SPECIFICATIONS

Model	ExpertBook B3 (B3605CCA)
Operating system	Windows 11 Pro/ Home 64bit Windows 11 Pro Education 64bit Windows 11 pure OS (not for open channel) Win11 PRO 64 bits with Driver WHQL support Without OS
Processor	Intel® Core™ Ultra 7 Processor 155H 1.4 GHz (24MB Cache, up to 4.8 GHz, 16 Cores); Intel® AI Boost NPU Intel® Core™ Ultra 5 Processor 125H 1.2 GHz (18MB Cache, up to 4.5 GHz, 14 Cores); Intel® AI Boost NPU Intel® Core™ Ultra 7 Processor 165H 1.4 GHz (vPro® Enterprise) (24M Cache, up to 5.0 GHz, 16 cores); Intel® AI Boost NPU Intel® Core™ Ultra 5 Processor 135H 1.7 GHz (vPro® Enterprise) (18M Cache, up to 4.6 GHz, 14 cores); Intel® AI Boost NPU Intel® Core™ Ultra 7 Processor 155H 1.4 GHz (vPro® Essential) (24MB Cache, up to 4.8 GHz, 16 Cores); Intel® AI Boost NPU (TBD) Intel® Core™ Ultra 5 Processor 125H 1.2 GHz (vPro® Essential) (18MB Cache, up to 4.5 GHz, 14 Cores); Intel® AI Boost NPU (TBD) Intel® Core™ Ultra 7 Processor 255H 2.0 GHz (24MB Cache, up to 5.1 GHz, 16 cores, 16 Threads); Intel® AI Boost NPU up to 13 TOPS Intel® Core™ Ultra 5 Processor 225H 1.7 GHz (18MB Cache, up to 4.9 GHz, 14 cores, 16 Threads); Intel® AI Boost NPU up to 13 TOPS Intel® Core™ Ultra 7 Processor 265H 2.2 GHz (vPro® Enterprise) (24MB Cache, up to 5.3 GHz, 16 cores, 16 Threads); Intel® AI Boost NPU up to 13 TOPS (TBD) Intel® Core™ Ultra 5 Processor 235H 2.4 GHz (vPro® Enterprise) (18MB Cache, up to 5.0 GHz, 14 cores, 14 Threads); Intel® AI Boost NPU up to 13 TOPS (TBD)
Graphics	Intel Arc Graphics for Intel Core Ultra with 128-bit (dual channel) memory populated Intel Graphics for Intel Core Ultra with 64-bit memory populated (MTL-H CPU with single-channel memory or MTL-U CPU)
Memory	2 x SO-DIMM, up to 64 GB DDR5 5600 MHz (Configuration up to 1 x 32 GB or 2 x 16GB) SO-DIMM: 8 GB/16 GB/32 GB DDR5 5600 MHz
Storage	1 x M.2 2280 SSD, up to 1 TB PCIe 4.0 SSD 128 GB/256 GB/512 GB/1 TB M.2 PCIe® 4.0 Value SSD 512 GB/1 TB M.2 PCIe® 4.0 Performance SSD 512 GB M.2 NVMe SED SSD 1 x M.2 2230 NVMe PCIe® 4.0, up to 512GB PCIe Gen4 SSD (only in WO/WWAN SKU) 512 GB M.2 PCIe® 4.0 Value SSD Support 512 GB (Value) + 512 GB (Value) Non-RAID/RAID 0/RAID 1
Display	16" WUXGA (1920 x 1200), Value-IPS, 16:10, wide view, anti-glare, 300 nits, 60Hz 16" WQXGA (2560 x 1600), IPS, 16:10, wide view, anti-glare, 400nits, sRGB 100%, 144Hz
I/O ports	2 x Thunderbolt™ 4 USB-C™, support PD3.0 (charge in) PD & DP2.1 (only in w/vPro SKU) / 2 x USB 3.2 Gen2 Type C, full function (only in wo/vPro SKU) / 2 x USB 3.2 Gen1 Type-A (one support BC1.2) / 1 x HDMI 2.1 TMDS / 1 x Combo audio jack / 1 x Kensington® nano lock slot 1 x RJ45 / 1 x Micro SD / 1 x Nano SIM (optional) / 1 x Smart card reader (optional)
Camera	FHD camera, Webcam Shield FHD+IR camera, Webcam Shield
Wireless	WLAN: Wi-Fi 6 (802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card (3rd party) Wi-Fi 6E (802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card (intel) WWAN: 4G/LTE RW101R-GL with eSIM & physical nano SIM 5G FM350-GL/FM350R-GL with eSIM & physical nano SIM
Audio	2x Speaker with Dirac technology support 2x Array microphone Support Speech Cognition and Smart AMP ASUS AI Noise-Canceling Technology
Weight	Starting at 1.78kg (WO/WWAN, with 50Whr Battery and 16" 300/400nits panel)
Dimensions (WxDxH)	358.4*253.9*18.95 mm
Battery	50Wh-3 cell, Li-Polymer / 63Wh-3 cell, Li-Polymer
Security	Kensington® Nano lock slot / Fingerprint sensor (optional) Webcam Shield / TPM 2.0 (dTPM / fTPM) Smart Card Reader (optional)
Keyboard and touchpad	Full-size keyboard with 1.5 mm key travel / Backlit (optional) / spill-resistant to 78cc* *Quantity used during testing, with duration of 3 minutes
Featured software	ASUS Control Center (sold separately) / ASUS Business Manager / MyASUS
AC adapter	65W AC Adapter, USB Type-C Output: 20V DC, 3.25A, 65W / Input: 100-240V AC, 50/60Hz universal
Energy efficiency compliance	EPEAT Gold Climate+ / Energy Star 8.0 / TCO 10.0 / FSC Recycled/ WEEE / RSTS / RoHS

Recommended Accessories



ASUS SimPro Dock 2



ASUS 65W USB-C
Ultra Mini Universal Adapter

Change log

March, 2025
Revise “3 – years global warranty” to “Up to 5-year international warranty available”
Added disclaimer → Warranty policies vary by country